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Examiner

Brian T. Pendleton

Applicant(s)/Patent under Reexamination

TANIGUCHI, TOMOHIKO

Art Unit

2615

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|----------|----------|----------|----------|----------|----------|-----------------|--------------|----------|-----------|----------|----------|----------|----------|----------|---------------|----------|----------|-----------|---------------|--------|----|----------------|----------|---------------|-----------|---|----------|--------|--------------------|---------------|
| <u> </u> | aim<br>T | ┝        | т-       | 1        |          |                 |              |          |           |          |          |          |          | 4        | Cli           | aim      | Date     |           |               |        |    |                |          |               |           |   |          |        |                    |               |
| Final    | Original | 8/22/06  |          |          |          |                 |              |          |           |          | Final    | Original |          |          |               |          |          |           |               |        |    | Final          | Original |               |           |   |          |        |                    |               |
|          | 1        | $\vdash$ | T        |          | T        | T               | T            | T        |           | _        |          | 51       |          | $\neg$   |               |          |          | _         | $\top$        | $\top$ | 1  |                | 101      | 7             | ┪         |   |          |        | $\dashv$           | $\dashv$      |
|          | 2        |          |          |          | T        | T               | T            | 1        | T-        |          |          | 52       | П        | 寸        | T             | 寸        | 7        | +         | $\dashv$      | $\top$ | 1  | <b>—</b>       | 102      | $\dashv$      | 寸         |   |          |        | $\dashv$           | $\top$        |
|          | 3        |          |          |          |          |                 |              |          |           |          |          | 53       |          | 一        | T             |          | 7        | 寸         | $\dashv$      | $\top$ | 1  | <b>—</b>       | 103      | $\dashv$      | $\dashv$  |   |          |        | ヿ                  | +             |
|          | 4        |          | Г        | Π        |          |                 |              | Ī        |           |          |          | 54       | П        | $\neg$   |               | T        |          | $\top$    |               |        | 1  |                | 104      | 寸             | $\exists$ |   | _        |        | ヿ                  | $\top$        |
|          | 5        |          |          |          | Г        | Τ               | Т            | Τ        |           |          |          | 55       |          |          |               |          |          | 寸         | 寸             |        | 1  |                | 105      | 寸             | ヿ         |   |          |        | $\neg$             | $\top$        |
|          | 6        |          |          |          | П        |                 |              |          |           |          |          | 56       |          | T        |               | T        | T        |           |               |        | 1  |                | 106      |               | $\dashv$  |   |          |        | $\neg$             | $\neg$        |
|          | 7        |          |          |          | П        | Г               |              |          |           |          |          | 57       |          |          |               | $\neg$   |          |           |               |        | 1  |                | 107      | $\neg$        | $\exists$ |   |          |        | 寸                  | $\neg \vdash$ |
|          | 8        |          |          |          |          |                 | Г            |          |           |          |          | 58       |          | $\neg$   |               | T        | T        |           |               |        | 1  |                | 108      |               | ╛         |   |          |        | 寸                  | $\top$        |
|          | 9        |          |          |          |          |                 |              |          |           |          |          | 59       |          |          |               |          |          | T         | T             | $\top$ | 1  |                | 109      | T             | 寸         |   |          | $\neg$ | 寸                  | $\neg$        |
|          | 10       |          |          |          |          |                 |              |          |           |          |          | 60       |          |          |               |          |          | T         |               | 丁      | 1  |                | 110      |               | ┪         |   |          | $\Box$ | $\exists$          | $\neg$        |
|          | 11       | +        |          | Π        |          |                 |              |          |           |          |          | 61       |          |          | $\neg$        | T        | ╗        |           |               | 1      | 1  |                | 111      | $\neg$        | $\dashv$  |   |          |        |                    | $\neg$        |
|          | 12       | +        |          |          |          |                 |              |          |           |          |          | 62       |          |          |               | T        | $\neg$   | T         | T             |        | 1  |                | 112      | T             | $\neg$    |   |          |        | $\exists$          | $\neg$        |
|          | 13       | +        |          |          |          |                 |              |          |           |          |          | 63       |          |          |               |          | П        | $\exists$ | $\neg \vdash$ |        | 1  |                | 113      | T             |           | ╛ | $\neg$   | ╗      |                    |               |
|          | 14       | +        |          |          |          |                 |              |          |           |          |          | 64       |          |          |               |          |          | 1         | 1             |        | 1  |                | 114      |               | 丁         |   |          | ヿ      | 寸                  |               |
|          | 15       | +        |          |          |          |                 |              |          |           |          |          | 65       |          | ヿ        |               | $\Box$   |          |           |               |        | 1  |                | 115      |               | $\exists$ |   | $\neg$   |        |                    |               |
|          | 16       | +        |          |          |          |                 |              |          |           |          |          | 66       |          |          |               |          |          |           |               | T      |    |                | 116      |               | T         |   |          |        | $\neg$             |               |
|          | 17       | +        |          |          | Ĺ        |                 |              |          |           |          |          | 67       |          |          |               |          |          |           |               |        |    |                | 117      |               | T         | T |          | $\neg$ | $\neg$             |               |
|          | 18       | +        |          |          |          |                 |              |          | :         |          |          | 68       |          |          |               |          |          |           |               |        | 1  |                | 118      |               | T         |   |          |        | 寸                  | $\neg$        |
|          | 19       | +        |          |          |          |                 |              |          |           |          |          | 69       |          |          |               |          |          |           |               |        | ]  |                | 119      |               |           |   |          |        | ヿ                  |               |
|          | 20       | +        |          |          |          |                 |              |          |           |          |          | 70       |          |          |               | $\Box$   |          |           |               |        | 7  |                | 120      |               | T         |   |          | T      | $\neg$             |               |
|          | 21       | +        |          | L        | L        | <u> </u>        |              |          |           |          |          | 71       |          |          |               | $\Box$   |          |           | Т             |        | 1  |                | 121      |               | $\neg$    |   |          | T      | $\neg$             |               |
|          | 22       | +        |          |          |          |                 | L            |          |           |          |          | 72       |          |          |               |          |          |           |               |        | ]  |                | 122      |               |           |   |          |        | $\neg$             |               |
|          | 23       | +        |          |          |          |                 |              |          |           |          |          | 73       |          |          |               |          |          | Т         | $\top$        |        | 1  |                | 123      |               |           |   |          |        | コ                  | $\neg$        |
|          | 24       | +        |          | <u> </u> |          | L               | <u> </u>     |          |           |          |          | 74       |          |          |               |          |          |           |               |        | ]  |                | 124      |               |           |   |          | $\neg$ | $\neg$             |               |
|          | 25       |          | L        |          |          |                 | L            |          |           |          |          | 75       |          |          |               |          |          |           |               |        | ]  |                | 125      |               |           |   |          | 丁      | $\neg$             | $\top$        |
|          | 26       | L        |          |          | L        | <u> </u>        | L            | _        |           |          |          | 76       |          |          |               |          |          |           |               |        | ]  |                | 126      | $\neg \Gamma$ |           |   |          |        | П                  |               |
|          | 27       |          |          |          |          |                 |              | L        |           |          |          | 77       |          |          |               |          |          |           |               |        | ]  |                | 127      |               |           |   |          | T      | $\neg$             |               |
|          | 28       |          |          | _        | _        |                 |              |          |           |          |          | 78       |          |          |               |          |          |           |               | Ī      | ]  |                | 128      |               | П         |   |          | T      | コ                  |               |
|          | 29       |          |          | <u> </u> | <u> </u> |                 |              |          |           |          | L        | 79       |          |          |               |          |          |           |               |        |    |                | 129      |               |           |   |          |        | $\neg$             |               |
|          | 30       |          |          |          |          | <u> </u>        | _            |          |           | _        |          | 80       |          |          |               | $\perp$  |          |           |               |        |    |                | 130      |               |           |   | 1        |        | $\Box$             |               |
|          | 31       |          |          |          |          | <u> </u>        | _            |          |           | _        |          | 81       |          | _        |               |          |          |           |               |        | ]  |                | 131      |               |           |   |          |        |                    |               |
| <u> </u> | 32       |          |          |          |          | <u> </u>        |              |          |           | _        |          | 82       |          | _        | ightharpoonup |          |          |           |               |        | ]  |                | 132      |               |           |   | ]        |        |                    |               |
| <u></u>  | 33       |          |          |          |          | <u> </u>        | _            | <u> </u> |           | _        |          | 83       |          | _        |               |          |          |           | $\perp$       |        | ]  |                | 133      |               |           |   |          | ĺ      |                    |               |
| <u> </u> | 34       | <u> </u> | <u> </u> | L.       | <u> </u> | <u> </u>        | <u> </u>     | _        | $\square$ |          | <u> </u> | 84       | _        |          |               | $\perp$  | $\perp$  | _         | $\perp$       |        | 1  | oxdot          | 134      |               |           |   |          |        |                    |               |
| <b> </b> | 35       | ļ,       |          | <u> </u> | <u> </u> | $\vdash$        | <u> </u>     | ļ        | $\sqcup$  | _        |          | 85       | _        |          |               | 4        |          | _         | _             |        | 1  | <u>اـــــا</u> | 135      | $\perp$       | $\perp$   | _ |          |        | $\Box$             |               |
| <u> </u> | 36       |          | Щ        | _        | <u> </u> | <u> </u>        | <del> </del> | $\vdash$ |           | _        | L        | 86       | _        |          |               |          |          |           |               |        |    | $oxed{oxed}$   | 136      | $\perp$       | $\perp$   | _ | [        |        | $oldsymbol{\perp}$ |               |
| <u></u>  | 37       |          | Ш        | <u> </u> | <u> </u> | _               | <u> </u>     |          | $\square$ | _        |          | 87       | _        |          |               | $\dashv$ | $\perp$  | $\perp$   | $\perp$       | $\bot$ | 1  | $oxed{oxed}$   | 137      |               | $\perp$   | _ |          | [      | $\bot$             |               |
| <b>—</b> | 38       |          | $\Box$   | _        | <u> </u> | Ь.              | <u> </u>     | <u> </u> |           | _        |          | 88       | 4        |          | _             | $\perp$  | $\perp$  | $\perp$   | _ _           | _ _    | Į  | $oxed{oxed}$   | 138      |               |           | _ |          |        | $\Box$             |               |
| <u> </u> | 39       |          | _        | _        | L        | _               | <u> </u>     | Щ        |           | _        |          | 89       | 4        | _        |               | $\perp$  | $\perp$  |           | $\perp$       | $\bot$ | 1  | $\sqcup$       | 139      | $\perp$       | $\perp$   | _ |          |        | $\perp$            |               |
| $\vdash$ | 40       |          |          |          | <u> </u> | $\vdash$        | _            |          |           | _        |          | 90       | _        |          |               | $\perp$  | $\perp$  | $\perp$   |               | ֈ_     | 1  |                | 140      |               | $\perp$   | _ |          |        | $\bot$             |               |
| <b></b>  | 41       |          | Ш        |          | <b>.</b> | <u> </u>        | ├            |          |           | _        |          | 91       | _        |          | _             | _        |          | _         | $\bot$        | $\bot$ | 1  | <b></b>        | 141      | $\perp$       | $\perp$   |   | _        |        | ightharpoons       | _ _           |
| $\vdash$ | 42       |          |          |          | <u> </u> | $\vdash$        | <u> </u>     | _        |           | _        |          | 92       | $\dashv$ | _        | 4             | 4        | _        | 4         | _             |        | 1  |                | 142      |               | $\perp$   | _ | _        |        |                    |               |
| -        | 43       | Щ        | Щ        | ш        |          | <b> </b>        | $\vdash$     |          | _         | _        | $\vdash$ | 93       | $\dashv$ | $\dashv$ | _             |          | _        | 4         | $\bot$        |        | 1  | <b>  </b>      | 143      |               | $\perp$   | _ | $\dashv$ |        |                    | _ _           |
| -        | 44       |          | $\vdash$ |          | Ш        | <b> </b>        | <u> </u>     | Н        | $\dashv$  | _        | <u> </u> | 94       | -        | 4        | _             | $\dashv$ | $\perp$  | $\perp$   | $\bot$        |        | 1  |                | 144      | 4             | 4         | _ | _        | _      |                    |               |
| -        | 45       |          |          |          | $\vdash$ | $\vdash$        | $\vdash$     |          |           | $\dashv$ | <b>—</b> | 95       | $\dashv$ | $\dashv$ |               | _        |          | -         | - -           | 4      | 1  | $\longmapsto$  | 145      | +             | 4         | _ | _        | 4      | $\dashv$           | $\bot$        |
|          | 46<br>47 | -        | -        | $\vdash$ |          | -               | <b>—</b>     | $\vdash$ | $\dashv$  | _        | -        | 96       | $\dashv$ | 4        | -4            | 4        | $\dashv$ | +         | 4             | 4      |    | <b> </b>       | 146      | $\perp$       | 4         | _ | _        | _      | $\dashv$           | $\bot$        |
| $\vdash$ |          |          |          | -        |          | -               | <u> </u>     | Н        |           |          | $\vdash$ | 97       | $\dashv$ | 4        | $\dashv$      | $\dashv$ | $\dashv$ | +         | +             | +      | l  |                | 147      | $\perp$       | $\perp$   | 4 | _        |        | _                  | $\perp$       |
| $\vdash$ | 48       | $\dashv$ | $\dashv$ | $\dashv$ |          | H               | H            | Ш        |           | $\dashv$ | -        | 98       | -        | _        |               | 4        | +        | +         | 4             |        | ļ. |                | 148      | _             | 4         | _ | _        | 4      | $\dashv$           |               |
| -        | 49<br>50 | $\dashv$ |          | $\dashv$ |          | $\vdash \vdash$ | <u> </u>     | Щ        | -         | $\dashv$ | -        | 99       | $\dashv$ | -        | -             | +        | 4        | 4         | _             | _      | 1  |                | 149      | -             | +         | 4 | _        |        | _                  | $\bot$        |
|          | 50       |          |          |          |          | L               | Ц_           | ш        |           |          | $\Box$   | 100      | L        | $\bot$   |               |          | $_{L}$   | L         |               |        | ]  |                | 150      |               | ⊥         |   |          |        | $\perp$            | L_            |